

INSTITUTIONAL LINKS

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Grants Awarded: Newton Institutional Links – October 2014 call

Eligible partner countries: Brazil, Chile, Colombia, Egypt, Indonesia, Kazakhstan, Malaysia, Mexico, Philippines, South Africa, Turkey, Vietnam

- **Total eligible applications – 242**
- **Funded applications – 89 (37%)**

Partner Country	Title of Project	UK institution	Partner institution	Review Panel
Brazil	Structure and Function of Odorant Binding Proteins from <i>Helicoverpa armigera</i>	University of Nottingham	Federal University of Alagoas - UFAL	Environment, Agriculture and Food Sciences Review Panel
Brazil	Discovery of novel antimicrobials from the rumen microbiota for animal and human health	Aberyswyth University	Universidade Federal de Vicosa	Biological and Medical Sciences Review Panel

Brazil	TRANSTAR: A Transatlantic Target-Based Drug Discovery Platform	University of Nottingham	National Center for Research in Energy and Material (CNPEM)	Biological and Medical Sciences Review Panel
Brazil	Preparedness for novel virus emergence from wild birds and bats: metagenomics-driven viromes and understanding innate immunity	The Pirbright Institute	University of Sao Paulo	Environment, Agriculture and Food Sciences Review Panel
Brazil	Using systems biology to improve feed conversion efficiency, lower the environmental impact and increase the profitability of beef production	Aberyswyth University	Universidade Federal de Viçosa	Environment, Agriculture and Food Sciences Review Panel
Brazil	Water Environment Micropollutant Science Initiative: A GCU-UFABC-PUCPR Collaborative to explore emergent pollutants in Brazilian watercourses.	Glasgow Caledonian University	Universidade Federal do ABC - UFABC	Engineering and Physical Sciences Review Panel
Brazil	Sickle Cell Disease - Environmental and Genetic Factors influencing Clinical Outcome	King's College London	UNICAMP (Universidade Estadual de Campinas)	Biological and Medical Sciences Review Panel
Chile	Development and validation of an innovative methodology for assessing rural landscapes of the region of Valparaiso (Chile) based on ecological, economic and socio-cultural variables	Newcastle University	Pontificia Universidad Católica de Valparaíso	Social Sciences Review Panel
Chile	Tackling the complexity of Green Economy initiatives via Participatory Innovation methods: Two pilot dialogues in Chile and the UK	International Institute for Environment and Development (IIED)	Pontificia Universidad Católica de Valparaíso	Social Sciences Review Panel

Chile	ConSIST Collaboratory - CHile Scotland ISotope Collaboratory	University of Aberdeen	Centro de Estudios Avanzados en Zonas Áridas	Environment, Agriculture and Food Sciences Review Panel
Colombia	Harnessing innovation in city development for social equity and wellbeing - a critical proposal to build on Medellin's experience as a model for Colombian future cities	University of Edinburgh	Universidad Nacional de Colombia Sede Medellin	Social Sciences Review Panel
Colombia	Linking the power of -omic technologies to translational research on neglected tropical diseases.	University of Glasgow	Centro Internacional de Entrenamiento e Investigaciones Medicas, CIDEIM	Biological and Medical Sciences Review Panel
Colombia	Drugs production, rural development and the search for peace in Colombia	London School of Economics and Political Science	Universidad de los Andes	Social Sciences Review Panel
Colombia	Sustainable Supply Chain Management in the Colombian Agricultural Sector	University of Exeter	Universidad de los Andes	Social Sciences Review Panel
Colombia	Tools, Training and Networks to Reduce Malaria Burden in the Pacific coast of Colombia	Wellcome Trust Sanger Institute	Universidad Nacional de Colombia	Biological and Medical Sciences Review Panel
Colombia	Novel accelerators for low-cost portable x-ray sources.	University of Strathclyde	Universidad Industrial de Santander	Engineering and Physical Sciences Review Panel

Colombia	CAFÉS (Coffee from Advanced Fermentation, Engineering & Sensing): Smart Sensing and Processing from 'Crop to Cup' to increase the Sustainability of Smallholder Coffee Producers	University of Manchester	Universidad de Los Andes	Environment, Agriculture and Food Sciences Review Panel
Egypt	Chromosomal Break Repair in Health and Disease	University of Sheffield	Zewail City for Science and Technology	Biological and Medical Sciences Review Panel
Egypt	A Novel, Low Cost, Urinary Diagnostic Test for Liver Cancer Screening	Imperial College London	National Liver Institute	Biological and Medical Sciences Review Panel
Egypt	Quantum Dots Synthesized Solar Cells (QDSSCS)	The University of Nottingham	South Valley University	Engineering and Physical Sciences Review Panel
Egypt	Detection and Assessment of Liver fibrosis Using Magnetic Resonance Imaging	King's College London	Nile University	Engineering and Physical Sciences Review Panel
Egypt	Presence in the Past: Preservation of Egyptian maritime archaeological sites through 3D digital modelling and Virtual Reality presentation in the laboratory for modern day exploration of lost heritage	University of Nottingham	Ain Shams University	Arts and Humanities Review Panel
Egypt	Collaborative programme involving the Universities of Coventry and Cairo to support the development of pharmaco-economic's knowledge, skills and expertise in Egypt	Coventry University Higher Education Corporation	Cairo University	Social Sciences Review Panel

Egypt	Development of Next-Generation Screen-Printed Electrochemical Sensors/biosensors to Provide Substantial Benefits in their Performance utilised in Biomedical, Environmental, and Industrial Analyses	Manchester Metropolitan University	Sohag University	Engineering and Physical Sciences Review Panel
Egypt	Sustainable Energy - Adaptable Lifelong Learning Centre (SE-ALL)	Cardiff University	Ain Shams University	Engineering and Physical Sciences Review Panel
Egypt	Heritage Building Information Modelling and Smart Heritage Building Performance Measurement for Sustainability	University of the West of England	British University Of Egypt BUE	Social Sciences Review Panel
Indonesia	What happens to the family when women migrate? An international collaborative programme on the impact of female international migration on poverty, children, elderly, spouse and fertility in East Java	University of Portsmouth	University of Brawijaya	Social Sciences Review Panel
Indonesia	Forest Fruit and Rural Nutrition (FFARN) Bangor-Mulawarman Joint Programme	Bangor University	Mulawarman University	Environment, Agriculture and Food Sciences Review Panel
Indonesia	Indonesian Marine Energy - Network Ignition	Robert Gordon University	Institut Teknologi Sepuluh Nopember (ITS)	Engineering and Physical Sciences Review Panel
Indonesia	Improvement of energy and environmental sustainability in marine transportation system through understanding and management of bio-fouling in wall-bounded turbulence	University of Southampton	Institut Teknologi Sepuluh Nopember (ITS)	Engineering and Physical Sciences Review Panel

Kazakhstan	A multi-dimensional environment-health risk analysis system for Kazakhstan	Brunel University London	Shokan Ualikhanov Kokshetau State University	Environment, Agriculture and Food Sciences Review Panel
Kazakhstan	Local Content Impact: Economic Development, Technology and Entrepreneurship in Kazakhstan's Energy Value Chain - Developing a Centre for Competitiveness in Kazakhstan.	University of Reading	Kazakh-British Technical University	Social Sciences Review Panel
Kazakhstan	The Macroeconomic Effects of Health Policy Reforms in Kazakhstan	London School of Economics and Political Science	Economic Research Institute	Social Sciences Review Panel
Kazakhstan	Climate Change, Water Resources and Food Security in Kazakhstan	The University of Reading	Institute of Geography MES Republic of Kazakhstan	Environment, Agriculture and Food Sciences Review Panel
Kazakhstan	Development and study of tandem perovskite/silicon heterostructure solar cells	Swansea University	Institute of Physics and Technology, LLP	Engineering and Physical Sciences Review Panel
Kazakhstan	KazRAM: an Inexpensive Portable Raman Spectrometer for Rapid Materials Characterisation	University of Cambridge	Sarsen Amanzholov East Kazakhstan State University	Environment, Agriculture and Food Sciences Review Panel
Kazakhstan	Developing water resources management in southern Kazakhstan to mitigate the societal impacts of rapid climate change	Aberystwyth University	LLP 'Institute of Geography' JSC 'NSTH, Parasat'	Environment, Agriculture and Food Sciences Review Panel

Kazakhstan	Collaboration between Faculty of Education, University of Cambridge, and Graduate School of Education, Nazarbayev University, to examine school students' well-being and engagement	University of Cambridge	Nazarbayev University	Social Sciences Review Panel
Malaysia	Development of a remote and efficient water quality monitoring system for tropical urban source water	The University of Manchester	Swinburne University	Engineering and Physical Sciences Review Panel
Malaysia	Future Cities: Science to Action for Building Resilience of Urban Communities to Climate Induced Physical Hazards	University of Cambridge	University Kebangsaan Malaysia	Engineering and Physical Sciences Review Panel
Malaysia	Development of Integrated Wave Energy and Oceanic Macro Algae Farming Platform	University of Greenwich	University Malaysia Terengganu	Engineering and Physical Sciences Review Panel
Malaysia	Assessing the risk of emerging microbes during vaccine implementation and climate change through population-based carriage studies of the upper respiratory tract in all age groups	University of Southampton	University Sains Malaysia	Biological and Medical Sciences Review Panel
Malaysia	Integrated water resources management & planning system in Malaysia: effect of climatic change and precipitation on the supply side	Heriot-Watt University	University of Malaya	Engineering and Physical Sciences Review Panel
Malaysia	Death and disability: the vulnerability of older people in Malaysia to urbanisation and climate change.	University of Liverpool	University of Malaya	Biological and Medical Sciences Review Panel

Malaysia	Electrochemical Routes towards Sustainability: CO2 Capture and Utilization	Queen's University Belfast	University of Malaya	Engineering and Physical Sciences Review Panel
Malaysia	Molecular Processing via Enzymatic Transformations of Biomass By-products: A UK-Malaysia Knowledge Transfer Programme for Biocatalysis.	University of Manchester	University of Malaya	Engineering and Physical Sciences Review Panel
Malaysia	Enhancing environmental resilience & energy security by developing efficient novel methods for converting palm oil waste to biodiesel and fertiliser	University of Hull	University of Malaysia Sabah	Engineering and Physical Sciences Review Panel
Malaysia	Smart Agriculture with Intelligent Transportation System for Sustainable Future Cities	University of Strathclyde	University Tunku Abdul Rahman	Engineering and Physical Sciences Review Panel
Malaysia	Cost-Effective Partial Replacement of Unsustainable Protein and Lipid in Aquafeeds using Insects and Underutilised Crops in an Integrated Agricultural System with Socio-Economic Benefits	University of Nottingham	Crops For The Future	Environment, Agriculture and Food Sciences Review Panel
Malaysia	Assessment of offshore engineering skills, ecological knowledge and maritime governance required for large-scale seaweed farming in UK and Malaysian waters	University of Hull	Universty Malaysia Terengganu	Environment, Agriculture and Food Sciences Review Panel
Malaysia	Evaluating and predicting nutrients availability from biowaste using sensor and cloud technology to meet crop demands in Malaysia	Cranfield University	University of Malaya	Environment, Agriculture and Food Sciences Review Panel

Malaysia	Towards safer future cities from climate-induced extreme weather events through a resilient built environment in Malaysia	School of the Built Environment	Universiti Tun Hussein Onn Malaysia	Environment, Agriculture and Food Sciences Review Panel
Malaysia	Ubiquitous optical sensors for environmental monitoring: impacting climate change	City University London	University of Malaya	Engineering and Physical Sciences Review Panel
Malaysia	Development of low cost supercapacitor based solar energy for rural areas.	The University of Nottingham	University Putra Malaysia	Engineering and Physical Sciences Review Panel
Malaysia	Building local capacity in understanding, analyzing and visualizing big data in Malaysian cities in Malacca	Future Cities Catapult Limited	University of Technology Malaysia (ISI-UTM)	Engineering and Physical Sciences Review Panel
Malaysia	A new research network to study animal-plant interactions in urban environments	Queen Mary University of London	University of Malaya	Environment, Agriculture and Food Sciences Review Panel
Malaysia	Printed solar modules for large area roof applications	Loughborough University	University of Technology Malaysia	Engineering and Physical Sciences Review Panel
Malaysia	SuLeD-BIM: Sustainability-Led Design through Building Information Modelling	University of Manchester	University of Malaya	Engineering and Physical Sciences Review Panel

Malaysia	Public Health Intelligence Network for Dengue Surveillance in Malaysia	University of Nottingham	University of Malaya	Biological and Medical Sciences Review Panel
Malaysia	Development of the Incremental SI(Structure and Infill) Housing for Low-income Population in Malaysia	Northumbria University	University of Technology Malaysia	Engineering and Physical Sciences Review Panel
Malaysia	Research and development of grid-connected distributed energy storage as a means of ancillary services for the network regulation	The University of Newcastle upon Tyne	Universiti Tunku Abdul Rahman	Engineering and Physical Sciences Review Panel
Malaysia	Integrating Algal Biophotovoltaics for Bioelectricity Production with Agro-industrial Wastewater Remediation Using Tropical Algae	University of Cambridge	University of Malaya	Environment, Agriculture and Food Sciences Review Panel
Malaysia	Technology for offshore cultivation of tropical seaweeds for the production of aviation fuel	The University of Nottingham	University of Malaya	Engineering and Physical Sciences Review Panel
Mexico	Technology Platform for self-management of health and disease through mobile applications	Anglia Ruskin University	Universidad de Colima	CONACYT
Mexico	UK-Mex carbon capture use and storage research and development	University of Aberdeen	Instituto de Investigaciones Electricas	CONACYT
Mexico	Research and innovation for the production and use of non-toxic Jatropha in the tropics	University of Greenwich	Instituto Nacional de Investigaciones Forestales Agrícolas y Pecuarias	CONACYT

Mexico	Design and Analysis of Flood Pulse, Monitoring Water and Environmental Management System	Cranfield University	Universidad Juárez Autónoma de Tabasco	CONACYT
Mexico	Research / Sustainable Development project oriented towards agricultural sector in the State of Veracruz	University of Oxford	Instituto de Ecología	CONACYT
Mexico	Wastewater treatment "disposal of metal ions"	Cranfield University	Centro de Tecnología Avanzado	CONACYT
Mexico	Genetic management of Mexican tilapia germ plasm.	University of Stirling	Universidad Michoacana de San Nicolas de Hidalgo	Environment, Agriculture and Food Sciences Review Panel
Mexico	Massive Multiple Input Multiple Output (MIMO) in Vehicular Ad Hoc Networks (VANETs) Acronym: MIMO in VANETs	Loughborough University	Universidad de Colima	Engineering and Physical Sciences Review Panel
Mexico	A study of cellular immune responses in humans against dengue virus (DENV) to inform a novel vaccine development	University of Oxford	Instituto Tecnológico y de Estudios Superiores de Monterrey Campus Cd de Mexico	Biological and Medical Sciences Review Panel
Mexico	Regional Climate projections Initiative Mexico-United Kingdom (RECLIM-UK)	UNIVERSITY OF OXFORD	Universidad Autónoma de México	Engineering and Physical Sciences Review Panel
Philippines	Low skills work in a smart city: Supporting capacity development for research into tourism employment in Glasgow and Manila	The University of Strathclyde	University of the Philippines	Social Sciences Review Panel

Philippines	SUSTAINABLE CITIES AND RESILIENT TRANSPORT	University of Oxford	De La Salle University	Engineering and Physical Sciences Review Panel
Philippines	COncerving Philippine bIODiversity by UnderStAnding big data (COPIOUS): Integration and analysis of heterogeneous information on Philippine biodiversity	University of Manchester	University of the Philippines Manila	Engineering and Physical Sciences Review Panel
Philippines	PULP-SEED (Philippines UK coLLaborative Partnership-System for Environmental and Efficient Drying)	Coventry University	University of San Carlos	Environment, Agriculture and Food Sciences Review Panel
South Africa	Microfluidic System for Water Quality Monitoring in Resource Poor Environments	The University of Hull	Council for Scientific and Industrial Research (CSIR)	Engineering and Physical Sciences Review Panel
Turkey	Organic solar cells incorporating small molecule donors and polymeric acceptors	Imperial College London	Istanbul Technical University	Engineering and Physical Sciences Review Panel
Turkey	Collaborative Research on Harnessing Renewable Energy Sources for Communications	Imperial College London	Sabanci University	Engineering and Physical Sciences Review Panel
Turkey	Investigating the therapeutic potential of DNA aptamers developed against a virulence protease of pathogenic <i>Streptococcus pyogenes</i>	Imperial College London	Ege University	Biological and Medical Sciences Review Panel
Turkey	Development of Extremely-Thin-Absorber CdTe Solar Cells with High Efficiency (DETACELL)	Glyndŵr University	Middle East Technical University	Engineering and Physical Sciences Review Panel

Turkey	Assessment of the potential impacts of harvesting the copepod <i>Calanus euxinus</i> from the Black Sea considering a range of additional environmental pressures, using a 'state of the art' coupled hydrodynamic-ecosystem model.	National Oceanography Centre	Dokuz Eylül University	Environment, Agriculture and Food Sciences Review Panel
Vietnam	Towards an evidence based National Action Plan on Antimicrobial Resistance in Vietnam	University of Oxford	National Hospital for Tropical Diseases	Biological and Medical Sciences Review Panel
Vietnam	Advanced electrochemical Method for treatment and metal recycling of industrial waste	University of Newcastle	Hanoi University of Science and Technology	Engineering and Physical Sciences Review Panel
Vietnam	Understanding the drivers of the endemic circulation of influenza A viruses in Vietnam for improving poultry smallholders welfare	Royal Veterinary College	National Institute of Animal Science	Environment, Agriculture and Food Sciences Review Panel
Vietnam	Building a foundation for sustainable development: Networked societies for the cities of tomorrow	Queen's University Belfast	Duy Tan University	Engineering and Physical Sciences Review Panel
Vietnam	Development of Advanced Bioinformatics Capabilities for next-generation rice genomics in Vietnam	The Genome Analysis centre	Agricultural Genetics Institute	Biological and Medical Sciences Review Panel

Vietnam	UK-Vietnam institutional link in digital innovation for sustainable maritime logistics in Vietnam	Liverpool John Moores University	University of Engineering and Technology, Vietnam National University, Hanoi	Engineering and Physical Sciences Review Panel
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